FIG. 1

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A METHOD, A SYSTEM AND A COMPUTER PROGRAM PRODUCT FOR MANIPULATING AN INSTRUCTION FLOW IN A PIPELINE OF A PROCESSOR LAURIE E. GATHMAN, REG.NO. 37.520

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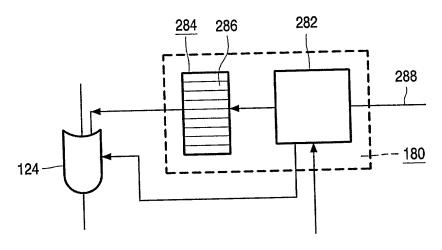


FIG. 2

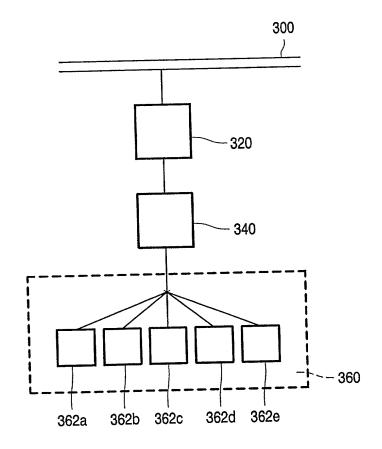
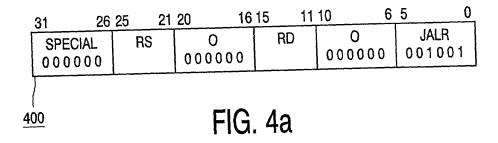


FIG. 3



440 
$$\frac{420}{1}$$
 < 0 0 1 1 > ( < ins\_1 > < ins\_2 > ... < ins\_n > )

420a 420b 420n

FIG. 4b

	520	522	524	526	528
500	I(n)	I(n+1)		I(m)	I(m+1)
502	IFDE	I(n)			I(m)
504		IFDE	INS		
506			IFDE	INS	
508				IFDE	INS

FIG. 5